

COC# 213

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132  
20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711

(425) 420-9200 FAX 420-9210  
(509) 924-9200 FAX 924-9290  
(503) 906-9200 FAX 906-9210  
(541) 383-9310 FAX 382-7588

## CHAIN OF CUSTODY REPORT

Work Order #: **M108003 P1 H0254**

CLIENT: <b>BRISTOL</b>			INVOICE TO: <b>BRISTOL</b>										<b>TURNAROUND REQUEST in Business Days*</b> Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div>10 7 5 4 3 2 1 &lt;1</div> <div>STD.</div> <div>5 4 3 2 1 &lt;1</div> </div> Petroleum Hydrocarbon Analyses <div style="display: flex; justify-content: space-around;"> <div>5 4 3 2 1 &lt;1</div> <div>STD.</div> <div>OTHER <span style="border: 1px solid black; padding: 2px;">Please Specify</span></div> </div> <small>*Turnaround Requests less than standard may incur Rush Charges.</small>						
REPORT TO: <b>ANNE KRANAWETTER</b>			P.O. NUMBER: <b>21090</b>																
ADDRESS: <b>AMCHITKA, AK</b>																			
PHONE: <b>907-770-0974</b> FAX: <b>770-0975</b>																			
PROJECT NAME: <b>AMCHITKA</b>			REQUESTED ANALYSES																
PROJECT NUMBER: <b>21090</b>																			
SAMPLED BY: <b>KLP</b>																			
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME	PCBs	Metals	PH&DO	TSS	BOD	fecal coliform								MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
1. <b>01AMTE14SW</b>		<b>8/2/01 0855</b>	X	X	X	X	X	X								<b>W</b>	<b>7</b>		
2.																			
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			
11.																			
12.																			
13.																			
14.																			
15.																			

RELINQUISHED BY: <b>Kyle Petersen</b>		FIRM: <b>BRISTOL</b>		DATE: <b>8/2/01</b>		RECEIVED BY: <b>Craig Bralle</b>		FIRM: <b>NCA</b>		DATE: <b>8/2/01</b>	
PRINT NAME:				TIME: <b>0912</b>		PRINT NAME: <b>Craig Bralle</b>				TIME: <b>0912</b>	
RELINQUISHED BY:		FIRM:		DATE:		RECEIVED BY:		FIRM:		DATE:	
PRINT NAME:				TIME:		PRINT NAME:				TIME:	

ADDITIONAL REMARKS: **pH=7.02, cond=0.837 mS/cm, turb= 3NTU, DO= 7.3 mg/L, Temp = 8.7°C, salinity= 0.03 ‰**

TEMP: **8.0°C**

PAGE **1** OF **1**



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541.383.9310 fax 541.382.7588

7 December, 2001

Anne Kranawetter  
Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 08/02/01 09:12. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson  
Environmental Group Leader

Work Orders included in this report:

**M108003**



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Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
08/13/01 17:15

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMTE14SW	M108003-01	Water	08/02/01 08:55	08/02/01 09:12

C. O. C. # 213

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

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Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
08/13/01 17:15

## Polychlorinated Biphenyls per EPA Method 8082

### North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>01AMTE14SW (M108003-01) Water</b>						Sampled: 08/02/01 Received: 08/02/01			
Aroclor 1016	ND	0.200	ug/l	1	EPA 8082	08/04/01	08/05/01	0108012	
Aroclor 1221	ND	0.400	"	"	"	"	"	"	
Aroclor 1232	ND	0.200	"	"	"	"	"	"	
Aroclor 1242	ND	0.200	"	"	"	"	"	"	
Aroclor 1248	ND	0.200	"	"	"	"	"	"	
<b>Aroclor 1254</b>	<b>0.292</b>	0.200	"	"	"	"	"	"	
Aroclor 1260	ND	0.200	"	"	"	"	"	"	
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	<i>75.7 %</i>	<i>44-119</i>							
<i>Surr: Decachlorobiphenyl</i>	<i>113 %</i>	<i>54-128</i>							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
08/13/01 17:15

**Conventional Chemistry Parameters per APHA/EPA Methods**  
**North Creek Analytical - Mobile Lab**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>01AMTE14SW (M108003-01) Water</b>					Sampled: 08/02/01 Received: 08/02/01				
<b>Biochemical Oxygen Demand</b>	<b>4.73</b>	4.00	mg/l	1	EPA 405.1	08/02/01	08/07/01	0108006	
<b>Dissolved Oxygen</b>	<b>7.88</b>	1.00	"	"	EPA 360.1	08/02/01	08/02/01	0108005	
<b>pH</b>	<b>7.20</b>	0.100	pH Units	"	EPA 150.1	"	"	"	
Total Suspended Solids	ND	10.0	mg/l	"	EPA 160.2	08/02/01	08/03/01	0108008	

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
08/13/01 17:15

**Microbiological Parameters per APHA Standard Methods**  
**North Creek Analytical - Mobile Lab**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>01AMTE14SW (M108003-01) Water</b>					Sampled: 08/02/01 Received: 08/02/01				
E. Coli	ND	2.00MPN/100 ml	1		SM 9221	08/02/01	08/03/01	0108004	
<b>Total Coliforms</b>	<b>2420</b>	2.00	"	"	"	"	"	"	

North Creek Analytical - Mobile Lab

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**Reported:**  
08/13/01 17:15

### Polychlorinated Biphenyls per EPA Method 8082 - Quality Control

#### North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 0108012 - 3520B Liq-Liq

##### Blank (0108012-BLK1)

Prepared: 08/04/01 Analyzed: 08/05/01

Aroclor 1016	ND	0.200	ug/l
Aroclor 1221	ND	0.400	"
Aroclor 1232	ND	0.200	"
Aroclor 1242	ND	0.200	"
Aroclor 1248	ND	0.200	"
Aroclor 1254	ND	0.200	"
Aroclor 1260	ND	0.200	"

<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	0.313	"	0.400	78.2	44-119
<i>Surr: Decachlorobiphenyl</i>	0.460	"	0.400	115	54-128

##### LCS (0108012-BS1)

Prepared: 08/04/01 Analyzed: 08/05/01

Aroclor 1254	0.904	0.200	ug/l
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	0.246		"
<i>Surr: Decachlorobiphenyl</i>	0.436		"

##### LCS Dup (0108012-BSD1)

Prepared: 08/04/01 Analyzed: 08/05/01

Aroclor 1254	0.942	0.200	ug/l	1.00	94.2	47-155	4.12	50
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	0.275		"	0.400	68.8	44-119		
<i>Surr: Decachlorobiphenyl</i>	0.436		"	0.400	109	54-128		

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**Reported:**  
08/13/01 17:15

### Conventional Chemistry Parameters per APHA/EPA Methods - Quality Control

#### North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 0108005 - Wet Chem

##### Duplicate (0108005-DUP1)

Source: M108003-01

Prepared & Analyzed: 08/02/01

pH	7.20	0.100	pH Units	7.20			0	200	
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#### Batch 0108006 - Wet Chem

##### Blank (0108006-BLK1)

Prepared: 08/02/01 Analyzed: 08/07/01

Biochemical Oxygen Demand	ND	4.00	mg/l						
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##### LCS (0108006-BS1)

Prepared: 08/02/01 Analyzed: 08/07/01

Biochemical Oxygen Demand	202	4.00	mg/l	198	102	75-125			
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##### Duplicate (0108006-DUP1)

Source: M108003-01

Prepared: 08/02/01 Analyzed: 08/07/01

Biochemical Oxygen Demand	ND	4.00	mg/l	4.73			25.8	40	
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#### Batch 0108008 - Wet Chem

##### Blank (0108008-BLK1)

Prepared: 08/02/01 Analyzed: 08/03/01

Total Suspended Solids	ND	10.0	mg/l						
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##### LCS (0108008-BS1)

Prepared: 08/02/01 Analyzed: 08/03/01

Total Suspended Solids	124	10.0	mg/l	120	103	80-120			
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##### Duplicate (0108008-DUP1)

Source: M108003-01

Prepared: 08/02/01 Analyzed: 08/03/01

Total Suspended Solids	ND	10.0	mg/l	ND			0	20	
------------------------	----	------	------	----	--	--	---	----	--

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Stephen Wilson, Environmental Group Leader

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Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
08/13/01 17:15

### Microbiological Parameters per APHA Standard Methods - Quality Control

#### North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 0108004 - Wet Chem

##### Blank (0108004-BLK1)

Prepared: 08/02/01 Analyzed: 08/03/01

E. Coli	ND	2.00	MPN/100 ml
Total Coliforms	ND	2.00	"

North Creek Analytical - Mobile Lab

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**Reported:**  
08/13/01 17:15

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.  
wet Sample results reported on a wet weight basis (as received)  
RPD Relative Percent Difference

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**Environmental Laboratory Network**

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### Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M108003 FINAL 08 13 01 1715.mdb Default Report (not modified)